

## Preliminary Environmental Inventory

Project Information					
<b>IPM ID #:</b>	106137	<b>Date:</b>	08/27/2014	<b>District SERP Coordinator:</b>	Perryman, Christine
<b>Project Name:</b>	Berkmar Drive Extended	<b>Field Review Date:</b>	07/08/2014	<b>Field Review Conducted By:</b>	Perryman, Christine L
<b>Route:</b>	9999	<b>City/County:</b>	Albemarle	<b>Zip code:</b>	22901
<b>Road Type:</b>	Urban	<b>Lat:</b>	38°06' 42"	<b>Long:</b>	-78°27' 12"
<b>VDOT Prj #:</b>	9999-002-900	<b>Project Administered by Local Government:</b>			No
<b>Limits From:</b>	HILTON HEIGHTS ROAD	<b>Target Advertisement Date:</b>		10/02/2014	
<b>Limits to:</b>	TOWNCENTER DRIVE	<b>Funding Source:</b>			
<b>Additional Project Description:</b>		This project consists of construction of approximately 2.2 mile segment of two lane rural road with an adjacent multi-use trail and a 64,000 sq. ft bridge over the South Fork of the Rivanna River. This is all on new alignment.			
<b>Project Type:</b>	Construction	<b>Location Of Work:</b>	Work on new location	<b>Road Conditions:</b>	Existing      Proposed
				<b>Pavement Width (ft)</b>	0              30
				<b>Right-of-way-width (ft)</b>	0              130
				<b>Bridge/drainage structure?</b>	None Specified
Resource Information					
Resource	Detailed Resource Information				Level Of Impact
<b>Potential commercial, residential, or non-profit displacements</b>	#Commercial:	1	#Residential:	5	Impact
	#Non-Profit:	0	#Industrial:	0	
	Comments: Alignment will be designed to avoid or minimize impacts to the greatest extent possible.				
<b>Known hazardous materials/waste sites/landfills</b>	Recorded hazmat sites:	3	Observed or potential sites:	0	No impact
	DEQ's Real Estate Search Information online database provided a list of hazardous waste notifiers, solid waste management facilities, CERCLA sites, and environmental incidents within the project area. These databases were searched for potential impacts to known hazardous material sites on 07/07/2014. This search resulted in the identification of the potential for hazardous material sites within the				

	<p>project area.</p> <p>Comments: While Stackhouse, Inc is adjacent to Route 643 southbound. The leak at the hotel was from a 275-gallon underground storage tank (UST) while each of the others was from a 1000-gallon fuel UST. Contamination at the tower and Stakehouse was mild and localized. At the Hotel, both the soil and groundwater were contaminated. Subsequent to their abatements, including, tanks removal, soil and groundwater analyses, site characterization, and 24 tons of soil removal from the hotel, the VDEQ closes the pollution complaint cases. Based on the findings and topography of the area, it is believed that the spill at the hotel should not adversely impact the project. Due to the minor residual soil contamination at the other 2 sites, similar conclusion could be reached once the preliminary engineering plans are available or minor drilling may be required to update the findings. Meanwhile, right of way is cleared for acquisition.</p>	
<b>Known underground storage tanks</b>	<p>Recorded tank sites: 3</p> <p>Observed or potential sites: 0</p> <p>DEQ's Leaking Underground Storage Tank database is contained in VDOT'S GIS Integrator under DEQ Petroleum Release Sites. This database was searched for potential impacts to known underground storage tanks on 07/07/2014. This search resulted in the identification of the potential for underground storage tanks within the project area.</p>	Unknown
<b>Air quality</b>	<p>Recorded Area : Attainment area</p> <p>Volatile Organic Compound N</p> <p>control area:</p> <p>Comments: DEQ Air (-) VDOT GIS indicates that the project area is currently in attainment with all National Ambient Air Quality Standards (NAAQS)</p>	No impact
<b>Public parks and recreation areas</b>	<p>Parks: Recreation areas:</p> <p>LWCF Funds: No</p> <p>DCR's Virginia Outdoors Plan was searched for potential impacts to public parks and recreation areas. These resources are not present within or adjacent to the project area.</p> <p>Comments: None indicated on the VDOT GIS or viewed in the project area.</p>	No impact

<b>Public waterfowl/wildlife refuges</b>	Refuges: 0 Virginia Land 0 Holdings: VDGIF's online Fish and Wildlife Information Service database and DCR's Virginia Outdoors Plan was searched for potential impacts to public waterfowl/wildlife refuges and Virginia Land holdings. These resources are not present within or adjacent to the project. Comments: None indicated on the VDOT GIS or viewed in the project area.	No impact
<b>Agricultural/forestal districts</b>	Number of agricultural districts: 0 Number of forestal districts: 0 Anticipated # of acres impacted in Agricultural/forestal operation: 0 Anticipated # of acres impacted in Agricultural/forestal district: 0 Comments: According to VDOT GIS no ag/forestal districts within or adjacent to the project area.	No impact
<b>Farm land</b>	Name or Location of farm: 0 Acres impacted: 0 Comments: None in project area	No impact
<b>Forest land</b>	Name or Location of forest: Acres impacted: 30 Comments: DOF ( )- Aerial and GIS indicates forest lands are present. Coordination with DOF will be provided with the submittal of this PEL.	Impact
<b>Existing open space easement</b>	Number and locations of easements: 0 Comments: VOF (07/07/2014)- According to VDOT GIS no open space easements are within or adjacent to the project area.	No impact
<b>Geology of site</b>	Location of areas of concern: Comments: DMME ()- Zlm Lynchburg Group - metagraywacke late Proterozoic	No impact
<b>Public water supply</b>	Location of public water supply: South Fork Rivanna Reservoir VDH's public water supply information is contained in VDOT's GIS Integrator under Surface Water Intake, Surface Water Intake Watersheds, Wells and Springs, and Wells and Springs Protection Zones. This database was searched for potential impacts to known public water supplies on 07/25/2014. This search resulted in the identification of potential for public water supplies within the project area. Comments: The alignment will span the South Fork Rivanna	No impact

River downstream of the South Fork Rivanna Reservoir. As the work is downstream of the reservoir it is not likely to impact the public water supply.

<p><b>Scenic resources</b></p>	<p>Wild and scenic rivers: 0</p> <p>Virginia Byways: 0</p> <p>DCR's Virginia Outdoors Plan was searched for potential impacts to Wild and Scenic Rivers. Virginia Byways Map was searched for potential impacts to State Scenic Byways. These resources are not present within or adjacent to the project area.</p> <p>Comments: None indicated on the VDOT GIS or viewed in the project area.</p>	<p>No impact</p>
<p><b>Threatened or endangered species</b></p>	<p>DGIF identified a FE, FT, SE or ST terrestrial or aquatic species in their Collections database within a 2 mile radius of the project, therefore the project is under review by VDOT's Biologist : Y</p> <p>DCR identified a FE, FT, SE or ST plant or insect species in the VDACS/DCR database, therefore the project is under review by VDOT's Biologist :</p> <p>VDOT's Biologist has reviewed the available information and determined the Level of Impact at this stage : N</p> <p>Comments: DCR/VDACS( )</p> <p>VDOT (07/25/2014 )-A two-mile radius search was conducted to identify any threatened or endangered species.</p> <p>The following T&amp;E species are documented within the 2 mile search radius - DNH SITES - FL &amp; SL ONLY ( ), T&amp;E WATERS ( ), ANADROMOUS SPECIES - GENERAL ( ), James Spiny mussel (Pleurobema collina) - Source: T&amp;E Form.</p> <p>GIS and agency databases utilized. Information forwarded to the agencies via this PEI.</p> <p>DGIF ( )-</p>	<p>Unknown</p>
<p><b>Natural heritage resources</b></p>	<p>Documented? :</p> <p>Site visit performed by DCR? : N</p> <p>Date Site visit performed? :</p> <p>Comments: DCR (-) - GIS and agency database reviewed, no indication of a designated NHR site.</p>	<p>No impact</p>
<p><b>Trout waters</b></p>	<p>Location :</p> <p>A search of VDGIF's online Fish and Wildlife Information Service database revealed no trout waters within 2 miles of the project area.</p> <p>Comments: None indicated on the VDOT GIS or viewed in the</p>	<p>No impact</p>

	project area.	
<b>Anadromous fish</b>	<p>Location :</p> <p>A search of VDGIF's online Fish and Wildlife Information Service database revealed no anadromous fish waters within 2 miles of the project area.</p> <p>Comments: None indicated on the VDOT GIS or viewed in the project area.</p>	No impact
<b>Known shellfish grounds</b>	<p>Location :</p> <p>Comments: None indicated on the VDOT GIS or viewed in the project area.</p>	No impact
<b>100-year floodplain areas</b>	<p>FEMA FIRM Community Panel Number : 51003C0280D</p> <p>Within 100-year floodplain ? Y</p> <p>Comments: Flood Zone designation of X. The areas of minimal flood hazard, which are the areas outside the SFHA and higher than the elevation of the 0.2-percent-annual-chance flood, are labeled Zone C or Zone X.</p>	No impact
<b>Existing public access to waterways</b>	<p>Access Exist? : N</p> <p>Recreation Use Bridge</p> <p>There is no bridge.</p> <p>Comments: New bridge to be built.</p>	No impact
<b>Federal Property</b>	<p>Name or Location : None</p> <p>Comments:</p>	No impact
<b>Historic resource</b>	<p>Previously recorded architectural resources ? : Yes</p> <p>Previously recorded archaeological resources ? : Yes</p> <p>Area of Potential Effects : The APE for archaeology is all easements/ROW for this project. The APE for standing structures is all areas where there will be a change in setting/feeling and areas not obstructed by modern construction and vegetation.</p> <p>Effect determination : Cannot Be Concluded in SERP</p> <p>Studies Needed to ID Historic Properties : BOTH ARCHIT. AND ARCHAEO.</p> <p>Comments : project requires full Phase I CR survey</p>	Cannot Be Concluded in SERP
<b>Water quality permits</b>	<p>Streams involved? Y</p> <p>If yes, name of stream(s): UT-BD,UT-BK,UT-V/VV,UT-Z,UT-F,UT-B,UT-A,UT-DX/DY/DZ,Rivanna River,UT-T</p> <p>UT-BD is Unknown,UT-BK is</p>	

	If yes, streamflow is:	Unknown,UT-V/VV is Unknown,UT-Z is Unknown,UT-F is Unknown,UT-B is Unknown,UT- A is Unknown,UT-DX/DY/DZ is Unknown,Rivanna River is Unknown,UT-T is Unknown
	Wetlands involved? :	Y
	If yes, amount of impact:	>1/3 Acre
	Are permits required? :	Undetermined
	If yes, type of permit required :	
	Comments :	VMRC (-)
	DEQ-Water :	(-)
	VDOT Comments :	

**Overall Project Comments:**

The findings in this PEI are a preliminary step in gathering environmental information about the human and natural resources in the project study area. Continuing coordination with agencies will be necessary to verify further need for studies, surveys, permit types, and clearances. The PEI is not a substitute for the studies and agency coordination necessary to identify specific project impacts.